

Patent Abstracts of Japan

EL 979954071

PUBLICATION NUMBER : 07204895
PUBLICATION DATE : 08-08-95

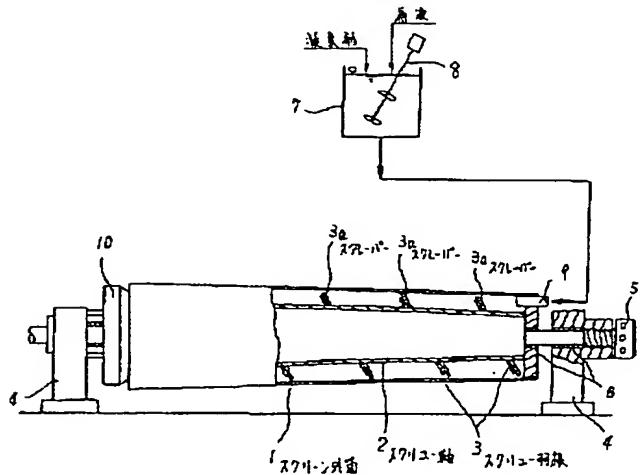
APPLICATION DATE : 13-01-94
APPLICATION NUMBER : 06015766

APPLICANT : ISHIGAKI MECH IND CO;

INVENTOR : ISHIGAKI EIICHI;

INT.CL. : B30B 9/14 B30B 3/00 B30B 15/14 //
C02F 11/12

TITLE : SPACING ADJUSTING DEVICE OF
OUTSIDE CYLINDER OF SCREW
PRESS AND SCREW SHAFT



ABSTRACT : PURPOSE: To enable efficient sepn. of solid from liquid by making either of a screen outside cylinder and a screw shaft freely adjustable in movement in its axial line direction with respect to the other.

CONSTITUTION: The screen outside cylinder 1 is composed to a circular conical shape formed to a diameter increasing toward the other end from the base end. The screw shaft 2 is concentrically supported therein. Both 1, 2 are so formed that the spacing therebetween is made narrower from the beginning end toward the terminal. Screw vanes 3 in proximity to the inside surface of the screen outside cylinder 1 are wound around the outside peripheral surface of the screw shaft 2 and a series of scrapers 3a which are capable of making sliding contact with the inside surface of the screen outside cylindrical 1 are mounted at the outer peripheral edges of these screw vanes 3. Further, either one of the screen outside cylinder 1 and the screw 2 is made freely adjustable in movement in the axial line direction with respect to the other. As a result, a spacing is easily correctable even if this spacing generates in the clearance between a feed shaft and the screen outside cylinder during running.

COPYRIGHT: (C)1995,JPO